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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	**Karwath et al.**
Appln. No.	**10/685,375**
Filed:	**October 14, 2003**
Title:	**DRIVE CIRCUIT FOR BRUSHLESS DC MOTORS**
Group Art Unit:	**2837**
Examiner:	**Not Yet Assigned**
Docket No.:	**79618**
Cust. No.:	**22242**

Conf. No.: **4421**

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on this date.

8/10/04
Date

Kenneth H. Samples
Registration No. 25,747
Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being submitted in connection with the above-identified application after the issuance of the Notice of Allowance and before the payment of the issue fee, in accordance with 37 C.F.R. §§1.97(d) .

The documents are listed on PTO/SB/08A Substitute for Form PTO-1449 which accompanies this Information Disclosure Statement. A copy of each foreign document and each non-patent literature document cited thereon is enclosed herewith.

U.S. PATENT DOCUMENTS		
Doument Number Number-Kind Code[2]	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
US-4,119,895	10/10/1978	Muller
US-4,276,504	06/30/1981	Nagase et al.
US-4,376,262	03/08/1983	Okuda et al.
US-4,426,585	01/17/1984	Bigalke
US-4,507,590	03/26/1985	Miyazaki

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US-4,651,068	03/17/1987	Meshkat-Razavi
US-4,712,050	12/08/1987	Nagasawa et al.
US-4,803,408	02/07/1989	Uhde et al.
US-4,804,892	02/14/1989	Muller
US-4,808,902	02/28/1989	Miyazaki et al.
US-5,038,090 A	08/06/1991	Kawabata et al.
US-5,043,643 A	08/27/1991	Hedlund et al.
US-5,138,244 A	08/11/1992	Bahn
US-5,227,704 A	07/13/1993	Erdman
US-5,569,900 A	10/29/1996	Blöhbahn
US-5,583,404 A	12/10/1996	Karwath et al.
US-5,640,073 A	06/17/1997	Ikeda et al.
US-5,717,297 A	02/10/1998	Karwath et al.
US-6,384,554 B1	05/07/2002	Karwath et al.

FOREIGN PATENT DOCUMENTS		
Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5]	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
DE 28 56 538 A1	08/09/1979	Hitachi Ltd (JP)
DE 31 07 641 A1	01/28/1982	Fuji Electrochemical Co Ltd (JP)
DE 31 13 092 A1	10/21/1982	Volkswagenwerk AG (DE)
DE 31 51 254 A1	07/14/1983	Bayerische Motoren Werke AG (DE)
DE 31 51 257 A1	07/07/1983	Licentia GmbH (DE)
DE 32 09 391 A1	09/22/1983	Maschinenfabrik Korfmann GmbH (DE)
DE 32 09 394 A1	09/22/1983	Schick Georg Dental GmbH (DE)
DE 33 25 610 A1	01/19/1984	Sankyo Seiki Seisakusho KK (JP)
DE 35 37 403 A1	04/23/1987	Papst-Motoren GmbH & Co KG (DE)
DE 38 17 916 A1	12/08/1988	Kabushiki Kaisha Toshiba (JP)
DE 38 19 062 A1	12/07/1989	Quick-Rotan Elektromotoren GmbH (DE)
DE 3819 064 A1	12/07/1989	Quick Rotan Elektromotoren GmbH (DE)
DE 40 21 098 A1	01/24/1991	Siemens AG (DE)
CA 1,301,240	05/19/2002	General Electric Company (US)
EP 0 397 143 A1	05/09/1990	Standard Elektrik Lorenz AG (DE)
EP 0 505 159 A2	09/23/1992	Fujitsu Limited (JP)

NON PATENT LITERATURE DOCUMENTS
Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Steltzer, J., "Mit Stammbaum," ElectronikPraxis, Nr. 19-3, October 1991, pages 56-58, 60-61
Draeger, Jurgen et al. Forschungsberichte, 1978, No. 2754, pp.60-61.
Schaltverhalten der Elektronischen Steuerung, NaiS/SDS, ASF Lufter, 13.11.1991

REMARKS

Pursuant to 37 CFR §1.97(h), the filing of this Supplemental Information Disclosure Statement under 37 CFR §1.97(d) shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

It is respectfully requested that the Examiner consider the above materials and make them of record in the above-captioned application.

The Commissioner is hereby authorized to charge any fees which may be required in this application under 37 C.F.R. §§1.16-1.17 to Deposit Account No. 06-1135.

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

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PTO/SB/08a
Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Application Number	*10/685,375*
Filing Date	*October 14, 2003*
First Named Inventor	*Karwath et al.*
Art Unit	*2837*
Examiner Name	*Not Yet Assigned*
Attorney Docket	*79618*

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2]	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,119,895	10/10/1978	Muller	
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Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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AUG 16 2004

PTO/SB/08b Substitute for Form 1449B/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				Application Number	*10/685,375*
				Filing Date	*October 14, 2003*
				First Named Inventor	*Karwath et al.*
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				Examiner Name	*Not Yet Assigned*
Sheet	2	of	2	Attorney Docket	*79618*

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		Steltzer, J., "Mit Stammbaum," ElectronikPraxis, Nr. 19-3, October 1991, pages 56-58, 60-61.	
		Draeger, Jurgen et al. Forschungsberichte, No. 2754, 1978, pp. 60-61.	
		Schaltverhalten der Elektronischen Steuerung, NaiS/SDS, ASF Lüfter, 13.11.1991	

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		DE 28 56 538 A1	08/09/1979	Hitachi Ltd		✓
		DE 31 07 641 A1	01/28/1982	Fuji Electromechanical Co Ltd		✓
		DE 31 13 092 A1	10/21/1982	Volkswagenwerk AG		✓
		DE 31 51 254 A1	07/14/1983	Bayerische Motoren Werke AG		✓
		DE 31 51 257 A1	07/07/1983	Licentia GmbH		✓
		DE 32 09 391 A1	09/22/1983	Maschinenfabrik Korfmann		✓
		DE 32 09 394 A1	09/22/1983	Georg Schick Dental GmbH		✓
		DE 33 25 610 A1	01/19/1984	Sankyo Seike Seisakusho KK		✓
		DE 35 37 403 A1	04/23/1987	Papst-Motoren GmbH & Co KG		✓
		DE 38 17 916 A1	12/08/1988	Kabushiki Kaisha Toshiba		✓
		DE 38 19 062 A1	12/07/1989	Quick-Rotan Elektromotoren		✓
		DE 3819 064 A1	12/07/1989	Quick-Rotan Elektromotoren		✓
		DE 40 21 098 A1	01/24/1991	Siemens AG		✓
		CA 1,301,240	05/19/1992	General Electric Company		
		EP 0 397 143 A1	05/09/1990	Standard Elektrik Lorenz AG		✓
		EP 0 505 159 A2	09/23/1992	Fujitsu Limited		✓

Examiner Signature		Date Considered	

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